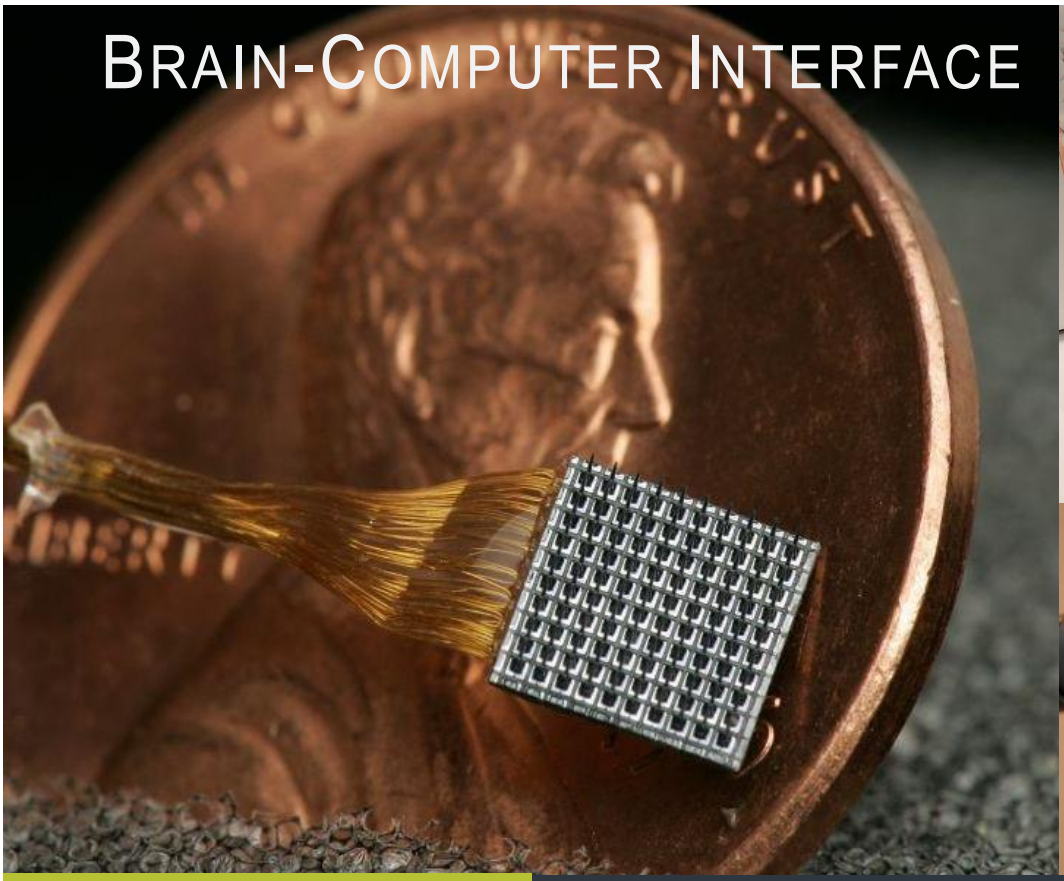
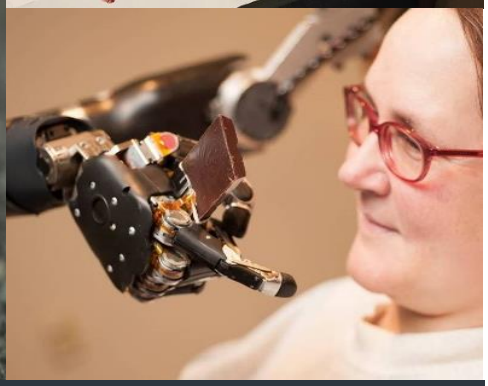
BRAIN-COMPUTER INTERFACE RESEARCH





STUDY DETAILS

- ELIGIBILITY TO PARTICIPATE
  Limited or no ability to use both hands due to cervical spinal cord injury, or brainstem or spinal stroke. Age 22-70. Must live in or near the Pittsburgh area.
- ADDITIONAL CRITERIA
  We will review additional criteria with you prior to enrolling in the study.
- STUDY INFORMATION
  ClinicalTrials.gov – NCT01894802.
- COMPENSATION
  You will be compensated for your time and travel.

PURPOSE OF THIS RESEARCH

The goal of this research study is to investigate the safe and effective use of multiple arrays for long-term recording of brain activity and sensory feedback as part of a brain-computer interface (BCI). A BCI could be useful for controlling assistive technologies that can help people complete activities of daily living. We have received FDA approval to conduct a research study to surgically implant multiple sensors on the brain for a duration of up to 10 years under an Investigational Device Exemption (IDE). Study physicians will monitor health regularly.

Device may be implanted for up to 10 years in order to evaluate its effectiveness and safety. This study will involve two surgeries – one to implant, then a second to remove the research devices. Testing may be conducted multiple days per week. Information learned will support the development of a fully implantable neurally controlled system with movement and sensory capabilities.

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Call 412.383.1355 for more information.